

Abstract

The invention relates to a method for providing assistance and computer-aided learning (3) with regard to the manual movements of an operator (1) during processing of a material (24), especially in the fields of plastic arts, design, industrial machining, paramedical professions, and surgery. Said method is based on a device that is characterized in that it mainly comprises one or several metrologic systems (5) that are used for continuously measuring the position of the tool (4) and the material (24), a computer (3) which acquires the data issued by the metrologic system (5) and propagates the effect of the displacements of the tool (4) relative to the material (24) that is to be machined to one or several digital models (M3, M4, M5), and an interface generating acoustic (21) and/or optical (7) and/or haptic (8) stimuli that supply information to the operator (1) by increasing the reality of the actions/reactions which his/her job involves.